

Title (en)

DEVICE AND METHOD FOR TRANSFERRING A DUSTY, POWDERY, GRAIN-LIKE OR GRANULAR CONVEYED MATERIAL OUT OF A STORAGE RECEPTACLE AND INTO A WORKING OR TRANSFER RECEPTACLE OR A SIMILAR ACCOMMODATING SPACE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ÜBERFÜHREN EINES STAUB-, PULVER-, KORN- ODER GRANULATARTIGEN FÖRDERGUTES AUS EINEM LAGERBEHÄLTER IN EINEN ARBEITS- ODER ÜBERFÜHRUNGSBEHÄLTER OD.DGL. AUFNAHMERaum

Title (fr)

DISPOSITIF ET PROCEDE POUR TRANSPORTER UN PRODUIT A TRANSPORTER DE TYPE POUSSIÈRE, POUDRE, GRAINS OU GRANULES, D'UN RECIPIENT DE STOCKAGE DANS UN RECIPIENT DE TRAVAIL OU DE TRANSPORT OU DANS UN ESPACE DE RECEPTION DE MEME TYPE

Publication

EP 1427657 B1 20060614 (DE)

Application

EP 02774578 A 20020906

Priority

- DE 10144528 A 20010910
- DE 10161281 A 20011213
- DE 10208316 A 20020227
- DE 10234013 A 20020726
- EP 0209989 W 20020906

Abstract (en)

[origin: WO03022718A1] The invention relates to a device for transferring a dusty, powdery, grain-like or granular conveyed material out of a storage receptacle and into a working or transfer receptacle or a similar accommodating space. Said device comprises a working chamber (18), which is connected to a supply line (24) for the conveyed material, and comprises a discharge cross-section. At least one feed line (46) for a flow medium leads into the working chamber (18), and a filter device is located between the flow medium and the conveyed material. The supply line (24) for the conveyed material leads into a tubular filter space (31), and a filter insert (30), which is also tubular and delimits said filter space, is placed inside the working chamber (18) connected to an air line (52) and/or to a gas line (54). In order to accommodate the filter insert (30), the working chamber contains a perforated inner tube (26) that, with a housing (16), which delimits the working chamber (18), abuts against void (29). A top cover (28) of the filter insert (30) is joined to a top plate (19) of the housing (16) by at least one clamping device (34) and, with the top plate (19), delimits a head space (18f) whose height (h) can be varied and which is connected to void (27).

IPC 8 full level

B65G 53/60 (2006.01); **B01D 46/00** (2006.01)

CPC (source: EP US)

B65G 53/60 (2013.01 - EP US)

Cited by

DE102007063105A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03022718 A1 20030320; AT E329870 T1 20060715; DE 50207211 D1 20060727; EP 1427657 A1 20040616; EP 1427657 B1 20060614; EP 1427657 B8 20060906; ES 2266580 T3 20070301; JP 2005502560 A 20050127; JP 4268868 B2 20090527; US 2005019107 A1 20050127; US 7234493 B2 20070626

DOCDB simple family (application)

EP 0209989 W 20020906; AT 02774578 T 20020906; DE 50207211 T 20020906; EP 02774578 A 20020906; ES 02774578 T 20020906; JP 2003526801 A 20020906; US 48880204 A 20040922